# RAW SEQUENCE LISTING

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Application Serial Number: _10/078,927C_
Source: _1FW16_
Date Processed by STIC: _11/28/05_

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IFW16

RAW SEQUENCE LISTING                    DATE: 11/28/2005
PATENT APPLICATION:  US/10/078,927C     TIME: 14:33:22

Input Set : A:\SJ-01-0032 Revised 1105.ST25.txt
Output Set: N:\CRF4\11282005\J078927C.raw

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   3 <110> APPLICANT: St. Jude Children's Research Hospital
   4       St. Jude Children's Research Hospital
   5       Curran, Thomas
   6       Keshvara, Lakhu
   8 <120> TITLE OF INVENTION: Cyclin Dependent Kinase 5 Phosphorylation of Disabled 1
Protein
  10 <130> FILE REFERENCE: SJ-01-0032
  12 <140> CURRENT APPLICATION NUMBER: 10/078,927C
  13 <141> CURRENT FILING DATE: 2002-02-19
  15 <160> NUMBER OF SEQ ID NOS: 5
  17 <170> SOFTWARE: PatentIn version 3.2
  19 <210> SEQ ID NO: 1
  20 <211> LENGTH: 6
  21 <212> TYPE: PRT
  22 <213> ORGANISM: Mus musculus
  25 <220> FEATURE:
  26 <221> NAME/KEY: DOMAIN
  27 <222> LOCATION: (1)..(6)
  28 <223> OTHER INFORMATION: smallest carboxy terminal Dab1 tryptic fragment containing a
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  29       phosphorylation site
  31 <220> FEATURE:
  32 <221> NAME/KEY: SITE
  33 <222> LOCATION: (3)..(3)
  34 <223> OTHER INFORMATION: Serine at residue #3 equates to Serine491 in mouse Dab1
sequence
  35       Cdk5 phosphorylation of Serine requires a Proline (P) in the +1
  36       position and a Lysine (K) in the +3 position
  38 <400> SEQUENCE: 1
  40 Gln Ser Ser Pro Ser Lys
  41 1               5
  44 <210> SEQ ID NO: 2
  45 <211> LENGTH: 24
  46 <212> TYPE: PRT
  47 <213> ORGANISM: Mus musculus
  50 <220> FEATURE:
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  52 <222> LOCATION: (1)..(24)
  53 <223> OTHER INFORMATION: Dab1 tryptic fragment containing a Cdk5 phosphorylation site
  55 <220> FEATURE:
  56 <221> NAME/KEY: SITE
  57 <222> LOCATION: (21)..(21)
  58 <223> OTHER INFORMATION: Serine at Reisdue 21 equates to Serine515 in mouse Dab1
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59      Cdk5 phosphorylation of Serine requires a Proline (P) in the +1
60      position and a Lysine (K) in the +3 position
62 <400> SEQUENCE: 2

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64 Ser Ser Ala Ser His Val Ser Asp Pro Thr Ala Asp Asp Ile Phe Glu
65 1               5                   10                  15
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69               20
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73 <211> LENGTH: 14
74 <212> TYPE: PRT
75 <213> ORGANISM: Mus musculus
78 <220> FEATURE:
79 <221> NAME/KEY: DOMAIN
80 <222> LOCATION: (1)..(14)
81 <223> OTHER INFORMATION: Dab1 phosphopeptide domain used for antibody production
83 <220> FEATURE:
84 <221> NAME/KEY: MOD_RES
85 <222> LOCATION: (8)..(8)
86 <223> OTHER INFORMATION: PHOSPHORYLATION, equates to Serine491 in mouse Dab1 sequence
87       Cdk5 phosphorylation of Serine requires a Proline (P) in the +1
88       position and a Lysine (K) in the +3 position
90 <400> SEQUENCE: 3
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93 1               5                   10
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97 <211> LENGTH: 2231
98 <212> TYPE: DNA
99 <213> ORGANISM: Mus musculus
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106 gagccgagca ctccgccaga gtgaatgaca tgcacggtgt tgggtgtcct ttctgaaggg    180
108 aggagccttt ctcttggaga ggatcctcga tgagcctggc cgaggcccgg ggtctgtgtg    240
110 aagaggacta aggattaagt aggatgtcaa ctgagacaga acttcaagta gctgtgaaaa    300
112 ccagcgccaa gaaagactcc aggaagaaag gtcaggatcg cagcgaagcc actttgataa    360
114 agaggtttaa aggcgaaggg gtccggtaca aagccaagct gattgggatt gatgaagtgt    420
116 ccgcagctcg gggagacaag ttatgtcaag attccatgat gaagctcaag ggtgttgttg    480
118 ctggcgcacg ttccaaggga gaacacaaac agaaaatctt tttaaccatc tcctttggag    540
120 gaatcaaaat ctttgatgag aagacggggg cccttcagca tcaccatgct gttcatgaaa    600
122 tttcctacat tgcgaaggac atcacagatc atcgggcttt cggatacgtt tgcgggaagg    660
124 aagggaatca cagatttgtg gccatcaaaa cagcccaggc ggctgaacct gttatcctgg    720
126 acttgagaga tctctttcaa ctcatctatg agctgaagca aagagaagaa ttggaaaaaa    780
128 aggcacaaaa ggataagcag tgtgaacaag ctgtgtacca gaccattttg gaagaggatg    840
130 tggaagatcc cgtgtaccag tacattgtgt ttgaggctgg acatgagcca atccgtgatc    900
132 ctgaaacaga agagaacatt taccaggttc ccaccagcca aaagaaggaa ggtgtttatg    960
134 atgtgccaaa aagtcaacct gtaagtgctg tgacccaatt agaacttttt ggagacatgt   1020
136 ccacccctcc tgatataacc tctcccccta ctcctgcaac cccaggtgat gcctttctcc   1080
138 cgtcgtcgtc ccagacgctt ccggggagtg cagatgtgtt tggctctatg tctttcggca   1140
140 ctgctgctgt accctcaggt tatgtcgcta tgggcgccgt cctcccatcc ttctggggcc   1200
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144 taccaggagc tcagcccatc gcatggggcc agccaggtct ctttcctgcc acccagcaag   1320
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152 agtctttcaa ggatttccag atggtccagc ctccacccgt accctcccgg aagcctgacc  1560
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156 cacaggatac agacgactgt gatgactttg acatctccca actgaacttg acccctgtga  1680
158 cttctaccac accatctacc aactcacctc caaccccagc ccctaggcag agctctccat  1740
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162 ttgaaagtcc cagcaaaagt gaagaacaag aagcacctga tggatcacag gcctcctcca  1860
164 ccagtgatcc atttggggag cccagtggtg agcccagtgg tgataatata agtccacaag  1920
166 acggtagcta gatagcgcag gtctgggagc cagagcctct ctatgcgaaa atcaacagac  1980
168 ctaagaaata gcatcaatgc gagctcatgg tgggtgcttc acggatggca tgggaatctg  2040
170 cagtacaaca ggctctcttg ggctctcacc tcacttcatc ccacagaaaa actcacagtc  2100
172 gcccagtgaa accacctgaa gaaggaacaa catggttttt ggcaaccaat ggcagatacc  2160
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176 aaaaaaaaaa a                                                        2231
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180 <211> LENGTH: 1665
181 <212> TYPE: DNA
182 <213> ORGANISM: Homo sapiens
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189 cggtacaaag ccaaattgat cgggattgat gaagtttccg cagctcgggg agacaagtta   180
191 tgtcaagatt ccatgatgaa actcaagggc gttgttgctg gcgctcgttc caaaggagaa   240
193 cacaaacaga aaatcttttt aaccatctcc tttggaggaa tcaaaatctt tgatgagaag   300
195 acaggggccc ttcagcatca tcatgctgtt catgaaatat cctacattgc gaaggacatc   360
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